



QP CODE: 21100314



21100314

Reg No : .....

Name : .....

**BSc DEGREE (CBCS ) EXAMINATION, FEBRUARY 2021**

**Fifth Semester**

**Core Course - CS5CRT14 - JAVA PROGRAMMING USING LINUX**

B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III, B.Sc Information Technology Model III, Bachelor of Computer Application

2017 Admission Onwards

5ED14B91

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Differentiate between numeric literal and non numeric literal.
2. Differentiate between the operators = and ==
3. What is the use of this keyword?
4. What is constructor overloading?
5. What is a derived class?
6. Define a Package.
7. What is exception handling?
8. What is Delegation event model?
9. Write a short note on Jcheckbox.
10. Define a Layout Manager. List different Layout Managers.
11. Distinguish between init() and start() methods of an applet.
12. What are the JDBC API components?

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Evaluate the milestones describing Java programming language.
14. Write a Java program to print armstrong numbers between 100 and 1000.





15. How will you declare methods in Java?
16. Discuss final class in detail with an example.
17. How do you create & initialize a one dimensional array in Java?
18. Explain the initialization method of two dimensional array.
19. Differentiate between the following (provide an example to each subsection)  
(a) JCheckBox and JRadioButton (b) JList and JComboBox
20. Write note on tag with an example.
21. Write an applet to draw a human face.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Analyse the use of branching statements with examples.
23. With examples explain interfaces
24. Explain the life cycle of a thread? Write a Java program to implement thread priorities.
25. Explain JLabel and JButton with the help of a real world example

(2×15=30)

